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• **Comments:**

Attached please find an English language translation of the Von Scheele et al. publication which was in the German language.

MS AF
PATENT
0147-0191P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Marion KWART et al. Conf.: 1628
Appl. No.: 09/485,187 Group: 1638
Filed: June 26, 2000 Examiner: A. KUBELIK
For: PROCESSES FOR INCREASING THE YIELD
IN PLANTS

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LETTER

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MS AF
Commissioner for Patents
P.O. Box 1450
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September 5, 2003

Sir:

Applicants timely submitted an Information Disclosure Statement filed January 11, 2002 (Paper No. 14) that was entered into the file and listed a publication by Von Scheele. This publication was in the German language.

Applicants have obtained an English translation of the Von Scheele et al. publication, which is enclosed. In view of the fact that the original Information Disclosure Statement was timely filed and entered into the application file, Applicants respectfully request that the Examiner consider the contents of this publication prior to issuing her response to Applicant's timely filed Reply After Final Under 37 C.F.R. § 1.116.

Application No. 09/485,187

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

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Respectfully submitted,
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LRS/SWG/sbp
 0147-0191P

Enclosure: English Translation (Von Scheele et al.)

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VON SCHEELE et al.

The price of potatoes for industrial use has traditionally been based on starch content measured by specific gravity. The relationship between starch content, dry weight and specific gravity has been described by von Maercker (1880), Hals and Buchholz (1909), de Vries (1905), Tuorila (1929) and Hjerstedt (1930). There are, however, many discrepancies in the values obtained by the various researchers. We have developed a new method to determine the starch and dry weight content of potatoes. Here, Starch content is determined by the optical activity of pectin in an autoclave method or by using permanganate. Dry weight is determined by solvent washing and drying. Specific gravity is determined by maceration. The results are presented as the correlation and regression of the specific gravity, starch content and dry weight. These values are also correlated to different years (1929-1932). A correlation to different types of potatoes was also conducted, which indicated that the regression of starch and specific gravity was no significant. A correlations coefficient (r) showed greater variation from type to type, such as between Parnassia and Woltmann. This difference in r shows that the relationship between starch and specific gravity is stronger in Parnassia than Woltmann. That is, the specific gravity gives a more accurate determination of starch in Parnassia than in Woltmann.